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ABSTRACT

A study was undertaken at Miami-Dade Community College (M-DCC), in Florida, to draw a demographic profile of students in the college's Vocational Certificate (VC) programs. The study examined VC student characteristics as compared to credit students with respect to ethnicity, gender, age, citizenship, residency, native language, and basis of admission for students enrolled for closing fall term 1993 and completions for 1990-91 through 1993-94. Highlighted findings include the following: (1) while proportions of White non-Hispanic credit and non-credit enrollments were similar, Black VC enrollments far exceeded Black credit students (35% to 21%) and Hispanic credit enrollment exceeded Hispanic VC enrollment (57% to 46%); (2) the 40 to 60 ratio of males to females for VC students was similar to the male/female ratio for credit students; (3) 70% of VC students were 26 or older, compared to 38% of credit students; (4) 55% of VC students were U.S. citizens, compared to 61% of credit students; (5) more than 98% of VC students were Dade County residents, compared to 94% for credit students; (6) 50% of both programs' enrollments were native English speakers; (7) in fall 1993, there were 2,656 VC students, 52% of whom had declared a program major; (8) 91% of VC students were high school graduates; and (9) the annual number of completions increased dramatically from 6 in 1990-91 to 262 in 1993-94, although this number is believed to be critically under-reported. (Contains 10 references. Includes data by instructional site and M-DCC-wide.) (MAB)

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ED 379 052

VOCATIONAL CERTIFICATE PROFILE
(Postsecondary Adult Vocational Certificates)
FALL TERM 1993 AND
STATE REPORT YEARS 1990-91
THROUGH 1993-94

Research Report No. 94-15R

December 1994

Institutional Research

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(Postsecondary Adult Vocational Certificates)
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STATE REPORT YEARS 1990-91
THROUGH 1993-94

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Highlights

This report presents the first view of Miami-Dade's Vocational Certificate programs, analyzing enrollments for Closing Fall Term 1993 and completions for 1990-91 through 1993-94. Development of these programs was conceived as a consequence of adverse events troubling the nation's career education schools. Since the mid-1980's, proprietary schools offering short term vocational training had come under persistent criticism with allegations of profiteering. Investigations ordered by the federal Department of Education resulted in the suspension of aid to some of the nation's largest trade schools, one of which was based in Florida.

The College's Vocational Certificate programs were designed to fill educational needs and labor market demands. Their attraction is fourfold: short-term, career orientation, certificate award, and credits earned applicable to the Associate in Science degree for program completers. Some findings follow.

Overview of Vocational Certificate Programs

- Since these programs began in Winter Term 1989, M-DCC has developed 43 Florida Department of Education certified Vocational Certificate (VC or PSAV) programs.

- Fifteen Vocational Certificate programs are offered on multiple campuses (North, Kendall, Wolfson, Homestead); 15 programs are exclusive to North Campus, and 9 are only offered at Medical Center Campus. Two programs each are the domain of Wolfson Campus and Kendall Campus.

- The programs have great variability in requirements with regard to clock hours (from 45 to 1800), number of courses (1-22), and vocational credits within courses (1-17.5).

- Like Associate degree programs, Postsecondary Adult Vocational education programs are subject to the state's accountability outcomes measures. As such, they are tracked to determine whether they meet the 70% placement success criterion.

Comparison of PSAV (VC) Students to Credit Students

- Within ethnic group comparisons show the proportions of White non-Hispanic credit and non-credit enrollments to be similar (19%); Black VC enrollments far exceed Black credit students (35% and 21% respectively). The balance, of course, constitute Hispanic enrollments (46% VC vs. 57% credit).

- Gender proportions between credit and non-credit are similar; the ratio of males to females is approximately 40:60 in both cases.

- As a whole, VC students are older. More than 70% of VC students are 26 years of age or older compared to 38% of credit students.

- Fifty-five percent (55%) of Vocational Certificate students are U.S. citizens. U.S. citizen students account for 61% of credit enrollees.

- More than 98% of Vocational Certificate students are Dade County residents vs. 94% for credit students.

- Similar proportions of VC and credit enrollments are native speakers of English (approximately 50%).

Characteristics of Vocational Certificate Students

- Overall in Fall Term 1993, there were 2,656 VC students, 52% of whom declared a program major. Forty-eight percent were taking courses without declaring a program.

- Sixty-one percent (n=1,613) of VC students attend North Campus and 24% (n=640) are on Kendall. The combined PSAV enrollments for North Campus and Kendall Campus account for 85% of Vocational Certificate students. Wolfson had 10% (n=252)of PSAV students; 6% (n=148) were at Medical Center and 0.1% (n=3) at Homestead.

- The overwhelming proportion of Vocational Certificate students had graduated from high school (91%).

- Seventy-nine percent (79%) of White non-Hispanic Vocational Certificate students were 26 years or older; 75% of Hispanic Vocational Certificate students were 26+ years old. Black VC students were the youngest, with only 59% of them 26 years or older.

- The annual number of completions increased dramatically from 1990-91 (n=6) through 1993-94 (n=262) but this number is still believed to be critically under-reported, given the size of enrollments.

Campus Data

North Campus

- Forty-nine percent of North Campus PSAV students are Black compared to 35% college-wide; for credit enrollments, 40% are Black on North compared to 21% college-wide.
- Of the Resident Aliens, 94% are in a minority group.
- Fourteen percent of VC students had not graduated from high school; college-wide 9% had not finished high school.

Kendall Campus

- On Kendall Campus, the ethnic composition in VC enrollments differs markedly from North. White non-Hispanic students are attracted to these offerings. White VC enrollments (31%) appreciably exceed White credit enrollments (23%)
- Of the four campuses, Kendall has the oldest VC students; 82% are 26 years or older.
- Nearly 99% of VC students are already high school graduates or have transferred from another college. This compares to 91% in this category for the College.

Wolfson Campus

- Like Kendall, Wolfson had greater proportions of White VC students (26%) than credit students (16%).
- Wolfson, also like Kendall Campus, had high proportions of older VC students (79% were 26 years of age or older).
- Nearly all of Wolfson's VC students have graduated from high school or are college transfers (99.5%).
- The PSAV proportion of U.S. citizen students found at Wolfson is 16%; college-wide, it is 55%.

Medical Center Campus

- Of all campuses, Medical Center has the most evenly divided proportions ethnically for both VC and credit enrollments.

- Gender proportions are heavily skewed to females (80%). Credit enrollments show that 69% are women compared to 58% for the College.

- Medical Center has the youngest VC students with 57% of them 26 years or older; this compares to 70% college-wide.

- Every Vocational Certificate student at Medical Center has graduated from high school.

Vocational Certificate Profile
(Postsecondary Adult Vocational Education)
Fall Term 1993 and
State Report Years 1990-91 Through 1993-94

Purpose of the Report

This Vocational Certificate Profile is the first research report of its kind for Miami-Dade Community College. It presents a broad picture of the College's new certificate programs. The report covers the years 1990-91 through 1993-94 for completions, and Closing Fall Term 1993 for enrollments. A developmental background of Vocational Certificate programs is given. Comparisons to credit students regarding ethnicity, gender, age, citizenship, residency, native language, and basis of admission are provided. Also described are other characteristics of Vocational Certificate students. Data and information were obtained from the College's electronic files, state reports, and from various reference sources.

Genesis of M-DCC Vocational Certificate Programs

Since the mid-1980's, proprietary schools offering short-term career training have come under criticism in the mass media and in educational publications for alleged malfeasance. Some 3,300 proprietary schools participate in the federal government's loan program and more than three billion dollars in loans are made each year to these schools. Default on loans in some of these institutions was as high as 50%. Education loans were not being repaid by student borrowers who had subsequently dropped out of the institutions. Allegations that the legal provision of loan qualification by "ability to benefit" was widely abused by some private "for-profit" institutions who actively recruited students knowing that they would not complete these programs (Carnes, 1989). Investigations were ordered by the federal Department of Education after "months and months of horror stories about damaged students, false promises, and scandalous behavior on the part of some proprietary schools" (Wilson, 1989). Aid was suspended for some of the nation's largest trade schools, among them a chain based in Florida.

In Florida, the Postsecondary Education Planning Commission (1989) recommended that stronger consumer protection measures be taken, that governing criteria be established, and that monitoring of short-term programs be instituted. As a result of these aforementioned circumstances, Miami-Dade Community College sought to fill the vital need for solid, short-term, hands-on career programs. Programs thus developed at M-DCC were certified by the state of Florida Department of Education. Attraction to these programs is fourfold: short-term, career orientation, certificate award, and credits earned applicable to the Associate in Science degree for program completers.

Requirements of Vocational Certificate Programs at M-DCC

Postsecondary Adult Vocational (PSAV, also called VC) programs began in Winter Term 1989. To date (Fall 1994), there are 43 PSAV programs under six disciplines. These programs have vastly different requirements (see Appendix). The number of clock hours range from a low of 45 (Private Security Guard) to a high of 1,800 (Architectural Drafting). Likewise, the number of courses within programs differ vastly. For example, the Bail Bonding program requires one course only while Respiratory Care Technician students are required to take twenty-two courses. The number of vocational credits for each course also varies. While there is but one course for the Correctional Probation Officer program, there are twelve credits connected to this one course. Other courses in multiple course programs may concentrate as many as 17.5 vocational credits in a single course.

Florida Statute (Chapter 6A-10.040) requires that all students who declare programs of 450 or more clock hours be tested. M-DCC administers the Test of Adult Basic Education (TABE) to these students within the initial six weeks of training. By and large for all programs, the modal test level required to qualify for program admission is ninth grade (see Appendix).

Medical Center-related vocational certificate programs generally require a higher number of clock hours. Of the nine health programs, six require more than 1,000 clock hours. Test level requirements are also somewhat higher.

Since Fall Term 1993 students were not considered "in-program" (for state report monitoring purposes) until 25% of program courses had been completed. Thus for prior years, one can expect to see higher program enrollments. Vocational Certificate program enrollments and completions are part of the state's outcomes accountability system. Data on the number of students in PSAV programs, the number of students leaving programs, and the number completing each program are tracked and reported to state officials. These programs, like the Associate in Science programs, must meet the state 70% placement success criterion.

Enrollments shown in the tables are for home campus. (Home campus is the campus where the student's records are kept. This is the reason enrollments may appear on a campus that does not offer the program). Fifteen Vocational Certificate programs are offered on multiple campuses (North, Kendall, Wolfson, Homestead). North Campus offers 30 of the 43 existing programs; 15 are exclusive to this campus. All nine of Medical Center Campus PSAV programs are not offered on any other campus; Kendall and Wolfson both have two programs not offered on other campuses.

Comparisons to Credit Students

Tables 1-7 display comparisons of Vocational Certificate non-college credit enrollments with college credit enrollments, Closing Fall Term 1993. College credit enrollments include both degree-seeking and non-degree seeking credit students. Table 1 shows 2,656 students enrolled in VC programs. Within ethnic category comparisons indicate that White non-Hispanic student proportions are similar for both credit and non-credit types (19%). Black non-Hispanic VC enrollments (35%) far exceed the proportionality of Black credit students (21%). The shift, of course, is away from Hispanic Vocational Certificate enrollments (46% vs. 57% credit).

Table 2 shows the gender proportionality between credit and VC non-credit students to be similar (approximately 40:60 male to female). Table 3 gives campus proportions. The bulk of Vocational Certificate enrollments (60+%) are on North Campus as opposed to 30% of credit enrollments on that campus. Nearly one-fourth of the PSAV students are at Kendall Campus as compared to 38% of credit students. Less than 10% of Vocational Certificate students are on Wolfson (23% credit). The Medical Center proportions of both are similar.

Table 4 offers age group comparisons. More than 70% of Vocational Certificate students are 26 years of age or older compared to 38% of credit students.

Table 5 compares the citizenship status of Vocational Certificate students with credit students. The largest proportion of VC students are U.S. citizens (55%) as are credit students (61%). Neither refugee (0.4%) nor F-1 visa (0.5%) students tend to take career training programs. This information was not available for five hundred twenty-two (19.7%) of VC students.

Residency is the subject of Table 6. More than 98% of Vocational Certificate students are Dade County residents; only one student is from out of the U.S. Of the credit enrollments, 93.5% live in Dade County and the balance for Other Florida/Out of State, Out of Country account for small percentages.

Native language of Vocational Certificate enrollments (Table 7) show similar proportions for speakers of English. More than 6% of PSAV students did not designate a native language. Were the language designated, it is suggested that the overall proportions for Spanish and French/Creole would be like that of credit students.

Other Characteristics of PSAV Students

Tables 8-13 present Closing Fall Term 1993 demographic data for Vocational Certificate students and programs. Table 8 contains data on ethnicity and gender within

age groups of VC students. Recall from Table 4 that overall, 52% of PSAV enrollments were over 30 years of age and 70% were 26+ years. Looking at these older students by ethnic group, 79% of White students are 26 years of age or older; 77% for Hispanic females and 70% for Hispanic males. Within age group, the highest percentage in the 14-20 and 21-25 age groups are Black students. Across ethnic groups, Black students are also the youngest.

Table 9 gives information on the educational background (basis of admission) of PSAV students by ethnicity. Ninety-one percent of Vocational Certificate students are high school graduates. Nine percent (n=215) have not received their high school diploma and are presumed candidates for the GED. By ethnic breakdown, Black non-Hispanic students account for 50% (108/215) of students who are non-high school graduates, and Hispanics cover 42% of this particular admission category.

Table 10 details citizenship status by ethnicity. U.S. citizens make up 55% of PSAV students. Among these U.S. citizens (n=1,459), 21% are White non-Hispanic, 41% are Black non-Hispanic, and 38% are Hispanic. Aggregating known non-citizen groups (n=675) gives 8% White non-Hispanic, 27% Black non-Hispanic, and 63% Hispanic. Nearly 20% of VC students were omitted from the calculations for lack of citizenship information.

Ethnicity and gender for Vocational Certificate programs is the topic of Table 11. Noted earlier were college-wide VC ethnic proportions (White 19%, Black 35%, Hispanic 46%) and 40:60 male to female proportion. A concentration of males is found in Electronics Technology and in fields entailing protective services (i.e. Corrections, Security Guard, Law, and Fire Fighting). All other programs are predominantly female or are gender neutral. Most programs have a predominantly minority enrollment.

Table 12 examines Vocational Certificate enrollments (n=2,656) across campuses. The code "NP" is used for students not in any particular program, and is shown in the Tables as "No Program Intention". These students, by far, dominate the enrollments.

College-wide, 48% (n=1,263) show a code of "NP." Some students who are not in programs are taking courses to upgrade employment skills or are exploring career options. Overall the largest Vocational Certificate programs are Private Security Guard (n=293), Child Care Supervision (n=271), and Business Software Applications (n=120).

PSAV Completions

Table 13 shows the completions of Vocational Certificate programs reported to the state. These data are part of accountability monitoring for program success, and are used in legislative decision-making. Based upon the number of program enrollments and the short-term character of these programs, it is believed that completions are severely under-reported. For example, Private Security Guard, a 1.5 vocational credit program, had 293 enrollments in one semester alone (Fall Term 1993) and a yearly total completion of one student only. The extreme variance between enrollments and completions indicates under-reporting of graduation data on the campus level.

Campus Data

Tables 14-49 deal with campus data. Recall from Table 3 that 61% of VC enrollments are found on North Campus. When combined with Kendall Campus, these two campuses account for 85% of Vocational Certificate enrollments. Comparison with credit enrollments and characteristics of Vocational Certificate students on each of the campuses are featured in the same manner as college-wide tables. A few salient facts are given for each campus and the reader is invited to peruse the tables for further information.

North Campus

Tables 14-22 contain data devoted to North Campus. Of the 1,613 Vocational Certificate enrollments on North Campus, 49% are Black non-Hispanic, and this latter group exceeds comparable college-wide VC data by fourteen percentage points. North Campus Black student credit enrollment, at 40%, far surpasses the 21% of Black

enrollments college-wide. Gender proportions mirror College-wide proportions. Smaller proportions of VC students are 26 years or older (65% vs. 70% college-wide). Fourteen percent of VC students had not graduated from high school compared to 9% college-wide. Among VC students who are Resident Aliens, 94% are classified as minority.

Kendall Campus

Tables 23-31 give Kendall Campus data. As noted previously, the 640 Vocational Certificate students on Kendall Campus represent 24% of VC enrollments college-wide. Of these students, 77% have elected to take courses only rather than select a program "major". PSAV enrollments exceed campus credit proportions for White non-Hispanic students (31% VC vs. 23% credit). Among the campuses, the largest proportion of "older" students reside on Kendall Campus. Eighty-two percent of students are 26 years or older as opposed to 70% college-wide. Nearly 99% of VC students are high school graduates or college transfers compared to 91% college-wide.

Wolfson Campus

Tables 32-40 display Wolfson Campus VC enrollments. There were 252 Vocational Certificate students at Wolfson (9.5% college-wide). As at Kendall Campus, the proportion of VC students at Wolfson was greater than credit enrollments for White students (26% vs. 16%). Again, most (79%) PSAV students fall into the older age category (26+ years). Wolfson Campus data show that 16% of VC students are U.S. citizens; for the entire PSAV enrollment, it is 55%. Of the 252 VC students, 185 (73%) did not have citizenship information on the files. Only one VC student at Wolfson is a non-high school graduate.

Medical Center Campus

Tables 41-49 contain data exclusive to Medical Center Campus. Medical Campus demographics and characteristics are unique among campuses on a number of dimensions. Of all campuses, Medical Center has the most evenly divided ethnic diversification in both VC and credit enrollments. As a cluster of programs (see Appendix), Medical VC programs require the highest number of clock hours, most exceeding 1,150. Test levels are also generally higher than for other programs. VC gender proportions are heavily skewed to

females (80%). This campus has the youngest VC students, 43% being under 26 years old. Of the 148 VC students, 116 (78%) did not have citizenship information available. Every Vocational Certificate student at Medical Center has graduated from high school.

In closing this report, Postsecondary Vocational Adult Education programs (otherwise known as Vocational Certificate programs) were first established at Miami-Dade Community College in 1989. Programs, courses, delivery systems, and administrative procedures were developed in response to demand for short-term training to meet labor market needs. To date, there are forty-three of these programs covering six disciplines. Programs are most active for the Public Services, Business Education, and Health Occupation sectors. These programs fall under state accountability guidelines and certificate awards are applicable to t he Associate in Science degree.

Table 1
Ethnicity of Vocational Certificate Enrollments
Compared to Credit Enrollments
Closing Fall 1993
Miami-Dade Community College

College-Wide

	Vocational Certificate		Credit	
Ethnicity	Number	Percent	Number	Percent
White Non-Hispanic	492	18.5%	10,169	19.3%
Black Non-Hispanic	920	34.6%	11,239	21.3%
Hispanic	1,208	45.5%	30,316	57.4%
Other	36	1.4%	1,090	2.1%
Total	2,656	100.0%	52,814	100.0%

Table 2
Gender of Vocational Credit Enrollments
Compared to Credit Enrollments
Closing Fall 1993
Miami-Dade Community College

College-Wide

	Vocational Certificate		Credit	
Gender	Number	Percent	Number	Percent
Male	1,058	39.8%	22,163	42.0%
Female	1,598	60.2%	30,651	58.0%
Total	2,656	100.0%	52,814	100.0%

Table 3
Campus of Vocational Certificate Enrollments
Compared to Credit Enrollments
Closing Fall 1993
Miami-Dade Community College

	Vocational Certificate		Credit	
Campus	Number	Percent	Number	Percent
North	1,613	60.7%	15,836	30.0%
Kendall	640	24.1%	20,032	37.9%
Wolfson	252	9.5%	12,251	23.2%
Medical Center	148	5.6%	3,617	6.8%
Homestead	3	0.1%	1,078	2.0%
Total	2,656	100.0%	52,814	100.0%

Table 4

Age Group of Vocational Certificate Enrollments

Compared to Credit Enrollments

Closing Fall 1993

Miami-Dade Community College

College-Wide

	Vocational Certificate		Credit	
Age Group	Number *	Percent	Number	Percent
14 - 20	204	7.7%	16,927	32.1%
21 - 25	587	22.2%	16,009	30.3%
26 - 30	483	18.2%	7,524	14.2%
Over 30	1,374	51.9%	12,354	23.4%
Total	2,648	100.0%	52,814	100.0%

*Missing 8

Table 5

Citizenship Status of Vocational Certificate Students

Compared to Credit Students

Closing Fall 1993

Miami-Dade Community College

College-Wide

	Vocational Certificate		Credit	
Citizenship Status	Number	Percent	Number	Percent
U.S.A	1,459	54.9%	32,026	60.6%
Resident Alien	645	24.3%	15,327	29.0%
Refugee	10	0.4%	3,429	6.5%
Visa	13	0.5%	1,521	2.9%
Other*	7	0.3%	511	1.0%
Unknown	522	19.7%	0	0.0%
Total	2,656	100.0%	52,814	100.0%

*Other includes non-student visas.

Table 6

Residency of Vocational Certificate Enrollments

Compared to Credit Enrollments

Closing Fall 1993

Miami-Dade Community College

College-Wide

	Vocational Certificate		Credit	
Residency	Number	Percent	Number	Percent
Dade County	2,607	98.2%	49,377	93.5%
Other Florida	0	0.0%	1,177	2.2%
Out of State	48	1.8%	610	1.2%
Out of Country	1	0.0%	1,650	3.1%
Total	2,656	100.0%	52,814	100.0%

Table 7

Native Language of Vocational Certificate Enrollments

Compared to Credit Enrollments

Closing Fall 1993

Miami-Dade Community College

College-Wide

	Vocational Certificate		Credit	
Native Language	Number	Percent	Number	Percent
English	1,363	51.3%	27,312	51.7%
Spanish	970	36.5%	21,398	40.5%
French/Creole	106	4.0%	2,666	5.0%
Other	51	1.9%	1,438	2.7%
Undesignated	166	6.3%	0	0.0%
Total	2,656	100.0%	52,814	100.0%

Table 8

Age Group by Ethnicity and Gender

Vocational Certificate Students

Closing Fall 1993

Miami-Dade Community College

College-Wide

	Ethnicity																	
	White Non-Hispanic				Black Non-Hispanic				Hispanic				Other				Total	
Age Group	Male	Female	Total	Percent	Male	Female	Total	Percent	Male	Female	Total	Percent	Male	Female	Total	Percent	Male	Female
14 - 20	12	16	28	5.7%	36	58	94	10.2%	40	41	81	6.7%	0	1	1	2.9%	88	116
21 - 25	35	40	75	15.3%	118	165	283	30.8%	98	128	226	18.8%	2	1	3	8.6%	253	334
26 - 30	39	44	83	16.9%	77	97	174	19.0%	81	136	217	18.0%	3	6	9	25.7%	200	283
Over 30	140	164	304	62.0%	132	235	367	40.0%	235	446	681	56.5%	10	12	22	62.9%	517	857
Total*	226	264	490	100.0%	363	555	918	100.0%	454	751	1,205	100.0%	15	20	35	100.0%	1,058	1,590

*Missing 8

Table 9
Ethnicity and Basis of Admission
Vocational Certificate Enrollments
Closing Fall 1993
Miami-Dade Community College

College-Wide

	Ethnicity									
	White Non-Hispanic		Black Non-Hispanic		Hispanic		Other		Total	
Basis of Admission	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
High School Graduates	418	95.0%	761	87.5%	990	90.2%	32	94.1%	2,201	90.2%
College Transfers	6	1.4%	1	0.1%	17	1.5%	1	2.9%	25	1.0%
Non-High School Graduates	16	3.6%	108	12.4%	90	8.2%	1	2.9%	215	8.8%
Percent of Total		18.0%		35.6%		44.9%		1.4%		100.0%
Total*	440	100.0%	870	100.0%	1,097	100.0%	34	100.0%	2,441	100.0%

*Missing 215

Table 10
Ethnicity and Citizenship Status
Vocational Certificate Enrollments
Closing Fall 1993
Miami-Dade Community College

College-Wide

	Ethnicity									
	White Non-Hispanic		Black Non-Hispanic		Hispanic		Other		Total	
Citizenship	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
U.S. Citizen	300	20.6%	595	40.8%	552	37.8%	12	0.8%	1,459	100.0%
Resident Alien	49	7.6%	169	26.2%	412	63.9%	15	2.3%	645	100.0%
Other	0	0.0%	2	28.6%	5	71.4%	0	0.0%	7	100.0%
Visa	4	30.8%	3	23.1%	4	30.8%	2	15.4%	13	100.0%
Refugee	1	10.0%	5	50.0%	4	40.0%	0	0.0%	10	100.0%
Unknown	138	26.4%	146	28.0%	231	44.3%	7	1.3%	522	100.0%
Total	492	18.5%	920	34.6%	1,208	45.5%	36	1.4%	2,656	100.0%

Table 11
Ethnicity and Gender by Programs
Vocational Certificate Enrollments
Closing Fall 1993
Miami-Dade Community College

College-Wide

Program	Program Code	Ethnicity: White Non-Hispanic Male	White Non-Hispanic Female	White Non-Hispanic Percent	Black Non-Hispanic Male	Black Non-Hispanic Female	Black Non-Hispanic Percent	Hispanic Male	Hispanic Female	Hispanic Percent	Other Male	Other Female	Other Percent	Total Male	Total Female	Total
Accounting Operations	2F	1	2	14.3%	1	4	23.8%	4	9	61.9%	0	0	0.0%	6	15	21
Apparel Design for Industry	DI	0	1	14.3%	0	2	28.6%	0	4	57.1%	0	0	0.0%	0	7	7
Architectural Drafting	AH	1	0	100.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	1	0	1
Bail Bonding	PL	1	3	26.7%	3	0	20.0%	5	3	53.3%	0	0	0.0%	9	6	15
Basic X-Ray Machine Operator	3Z	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0
Bookkeeping	BK	1	4	19.2%	0	2	7.7%	3	16	73.1%	0	0	0.0%	4	22	26
Business Administration/Food Industry	2I	0	0	0.0%	0	0	0.0%	1	1	100.0%	0	0	0.0%	1	1	2
Business Administration Operations	2G	3	5	11.3%	8	23	43.7%	13	17	42.3%	0	2	2.8%	24	47	71
Business Software Applications	2H	4	6	8.3%	12	37	40.8%	13	47	50.0%	0	1	0.8%	29	91	120
Child Care Supervision	C9	1	14	5.5%	2	71	26.9%	6	177	67.5%	0	0	0.0%	9	262	271
Coder Specialist	CD	4	6	29.4%	1	13	41.2%	2	6	23.5%	0	2	5.9%	7	27	34
Computer Programming	CQ	6	3	29.0%	5	0	16.1%	6	10	51.6%	1	0	3.2%	18	13	31
Correctional Officer - Dade County	7C	2	0	3.4%	29	22	86.4%	5	1	10.2%	0	0	0.0%	36	23	59
Correctional Office - State of Florida	7S	4	2	22.2%	13	5	66.7%	3	0	11.1%	0	0	0.0%	20	7	27
Correctional Probation Officer	8Z	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0
Criminal Justice Assisting	7V	0	0	0.0%	3	0	100.0%	0	0	0.0%	0	0	0.0%	3	0	3
Data Entry Operators	DE	1	2	50.0%	0	1	16.7%	1	1	33.3%	0	0	0.0%	2	4	6
Electrocardiograph Technology	3Y	3	1	40.0%	0	2	20.0%	1	3	40.0%	0	0	0.0%	4	6	10
Electronic Technology	2J	7	0	18.9%	7	4	29.7%	18	1	51.4%	0	0	0.0%	32	5	37
Fashion Marketing	FH	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0
Fire Fighting	7Y	2	0	15.4%	8	0	61.5%	3	0	23.1%	0	0	0.0%	13	0	13
General Office Clerk	OC	0	0	0.0%	0	1	100.0%	0	0	0.0%	0	0	0.0%	0	1	1
Home & Family Management	HF	0	0	0.0%	0	0	0.0%	0	3	100.0%	0	0	0.0%	0	3	3
Import/Export Marketing	EX	2	3	16.7%	2	1	10.0%	15	5	66.7%	2	0	6.7%	21	9	30
Infant/Toddler Supervision	TS	0	1	20.0%	0	3	60.0%	0	1	20.0%	0	0	0.0%	0	5	5
Insurance Marketing	3R	2	2	36.4%	1	0	9.1%	4	2	54.5%	0	0	0.0%	7	4	11
Law Enforcement/Day	7D	11	2	31.7%	3	6	22.0%	15	2	41.5%	2	0	4.9%	31	10	41
Law Enforcement/PSI	7P	3	0	30.0%	4	0	40.0%	2	1	30.0%	0	0	0.0%	9	1	10

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Table 11
(continued)
Ethnicity and Gender by Programs
Vocational Certificate Enrollments
Closing Fall 1993
Miami-Dade Community College

College-Wide

		Ethnicity														
		White Non-Hispanic			Black Non-Hispanic			Hispanic			Other			Total		
Program	Program Code	Male	Female	Percent	Male	Female	Percent	Male	Female	Percent	Male	Female	Percent	Male	Female	Total
Mechanical Drafting	MF	1	0	100.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	1	0	1
Medical Assisting	3X	0	4	12.1%	1	19	60.6%	1	8	27.3%	0	0	0.0%	2	31	33
Medical Record Transcribing	3W	0	9	29.0%	0	12	38.7%	0	10	32.3%	0	0	0.0%	0	31	31
(No Program Intention)	NP	119	170	22.9%	118	247	28.9%	235	352	46.5%	6	16	1.7%	478	785	1,263
Optometric Assisting	3V	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0
Pharmacy Technician	3U	1	3	15.4%	6	10	61.5%	3	3	23.1%	0	0	0.0%	10	16	26
Phlebotomy Technician	3T	1	0	50.0%	0	1	50.0%	0	0	0.0%	0	0	0.0%	1	1	2
Printing & Graphic Arts	GP	0	1	12.5%	1	2	37.5%	4	0	50.0%	0	0	0.0%	5	3	8
Private Security Guard	7W	35	9	15.0%	127	40	57.0%	65	12	26.3%	5	0	1.7%	232	61	293
Radio Broadcasting	RB	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0
Real Estate Marketing	2K	8	6	23.3%	1	0	1.7%	20	24	73.3%	1	0	1.7%	30	30	60
Respiratory Care Technician	3S	0	0	0.0%	1	0	100.0%	0	0	0.0%	0	0	0.0%	1	0	1
Secretarial	2L	0	0	0.0%	1	10	64.7%	0	6	35.3%	0	0	0.0%	1	16	17
Television Production Operations	TV	0	0	0.0%	0	0	0.0%	0	1	100.0%	0	0	0.0%	0	1	1
Travel Agency Operations	3Q	1	1	25.0%	1	1	25.0%	0	4	50.0%	0	0	0.0%	2	6	8
Word Processing	2M	1	6	12.3%	4	18	38.6%	4	24	49.1%	0	0	0.0%	9	48	57
Total		226	266	18.5%	363	557	34.6%	452	754	45.4%	17	21	1.4%	1,058	1,598	2,656

Table 12

Enrollment by Campus - Vocational Certificate Students*

Closing Fall 1993 - Miami-Dade Community College

Program Name	Program Code	Campus					Total	Percent of Enrollment
		North	Kendall	Wolfson	Medical Center	Homestead		
Accounting Operations	2F	7	13	1	-	0	21	0.8%
Apparel Design for Industry	DI	-	7	-	-	-	7	0.3%
Architectural Drafting	AH	1	0	0	-	0	1	0.0%
Bail Bonding	PL	1	3	11	-	-	15	0.6%
Basic X-Ray Operator	3Z	-	-	-	0	-	0	0.0%
Bookkeeping	BK	4	9	13	-	0	26	1.0%
Business Administration/Food Industry	2I	-	2	0	-	-	2	0.1%
Business Administration Operations	2G	53	16	2	-	0	71	2.7%
Business Software Applications	2H	105	13	0	2	0	120	4.5%
Child Care Supervision	C9	264	5	1	1	-	271	10.2%
Coder Specialist	CD	1	-	-	33	-	34	1.3%
Computer Programming	CQ	7	24	0	-	0	31	1.2%
Correctional Officer - Dade County	7C	59	-	-	-	-	59	2.2%
Correctional Office - State of Florida	7S	27	-	-	-	-	27	1.0%
Correctional Probation Officer	8Z	0	-	-	-	-	0	0.0%
Criminal Justice Assisting	7V	3	-	-	-	-	3	0.1%
Data Entry Operators	DE	1	4	1	-	0	6	0.2%
Electrocardiograph Technology	3Y	-	-	-	10	-	10	0.4%
Electronic Technology	2J	36	1	-	-	-	37	1.4%
Fashion Marketing	FH	-	0	-	-	-	0	0.0%
Fire Fighting	7Y	10	1	-	2	-	13	0.5%
General Office Clerk	OC	1	0	0	-	0	1	0.0%
Home & Family Management	HF	3	0	0	-	0	3	0.1%
Import/Export Marketing	EX	1	0	29	-	-	30	0.0%
Infant/Toddler Supervision	TS	2	1	2	-	-	5	0.2%
Insurance Marketing	3R	0	11	0	-	0	11	0.4%
Law Enforcement/Day	7D	41	-	-	-	-	41	1.5%
Law Enforcement/PSI	7P	10	-	-	-	-	10	0.4%
Mechanical Drafting	MF	1	-	-	-	-	1	0.0%
Medical Assisting	3X	7	-	-	26	-	33	1.2%
Medical Record Transcribing	3W	-	-	-	31	-	31	1.2%
Optometric Assisting	3V	-	-	-	0	-	0	0.0%
Pharmacy Technician	3U	-	-	-	26	-	26	1.0%
Phlebotomy Technician	3T	-	-	-	2	-	2	0.1%
Printing & Graphic Arts	GP	8	-	-	-	-	8	0.3%
Private Security Guard	7W	292	1	-	-	-	293	11.0%
Radio Broadcasting	RB	0	-	-	-	-	0	0.0%

*Dashes (-) indicate the program does not exist on the particular campus. However, enrollments may appear on such a camppus because data are for home (record keeping) campus enrollments.

Table 12

(continued)

Enrollment by Campus - Vocational Certificate Students*

Closing Fall 1993 - Miami-Dade Community College

Program Name	Program Code	Campus					Total	Percent of Enrollment
		North	Kendall	Wolfson	Medical Center	Homestead		
Real Estate Marketing	2K	31	25	3	-	1	60	2.3%
Respiratory Care Technician	3S	1	-	-	0	-	1	0.0%
Secretarial	2L	13	3	1	-	0	17	0.6%
Television Production Operations	TV	1	-	-	-	-	1	0.0%
Travel Agency Operations	3Q	1	7	-	-	-	8	0.3%
Word Processing	2M	13	4	40	-	0	57	2.1%
No Program Intention	**NP**	**608**	**490**	**148**	**15**	**2**	**1,263**	**47.6%**
Percent of Campus		60.7%	24.1%	9.5%	5.6%	0.1%	100.0%	
Total		1,613	640	252	148	3	2,656	100.0%

*Dashes (-) indicate the program does not exist on the particular campus. However, enrollments may appear on such a camppus because data are for home (record keeping) campus enrollments.

Table 13
Reported Completions* For Vocational Certificate Programs
1990-91 Through 1993-94
Miami-Dade Community College

College-Wide

Program Name	Program Code	Year of Completion 1990-91	1991-92	1992-93	1993-94
Accounting Operations	2F	-	-	-	1
Apparel Design for Industry	DI	-	-	-	1
Architectural Drafting	AH	-	-	-	-
Bail Bonding	PL	-	-	-	-
Basic X-Ray Machine Operator	32	-	1	1	-
Bookkeeping	BK	-	-	-	-
Business Administration Operations	2G	-	-	-	-
Business Administration/Food Industry	2I	-	-	-	-
Business Software Applications	2H	-	-	1	2
Child Care Supervision	C9	-	-	-	-
Coder Specialist	CD	-	-	-	5
Computer Programming	CQ	-	-	-	1
Correctional Officer - Dade County	7C	-	-	1	57
Correctional Officer - State of Florida	7S	-	-	-	3
Correctional Probation Officer	8Z	-	-	-	-
Criminal Justice Assisting	7V	-	-	-	-
Data Entry Operators	DE	-	-	2	-
Electrocardiograph Technology	3Y	-	8	2	4
Electronic Technology	2J	-	-	9	5
Fashion Marketing	FH	-	-	-	-
Fire Fighting	7Y	-	-	7	6
General Office Clerk	OC	-	-	-	-
Home & Family Management	HF	-	-	-	-
Import/Export Marketing	EX	-	-	-	1
Infant/Toddler Supervision	TS	-	-	-	-
Insurance Marketing	3R	-	-	-	-
Law Enforcement (Retired)	7U	-	-	13	-
Law Enforcement/Day	7D	-	-	47	110
Law Enforcement/PSI	7P	-	15	10	25
Mechanical Drafting	MF	-	-	-	-
Medical Assisting	3X	-	8	-	10
Medical Record Transcribing	3W	-	20	7	7
Optometric Assisting	3V	-	-		-
Pharmacy Technician	3U	-	2	4	3
Phlebotomy Technician	3T	6	21	32	12
Printing & Graphic Arts	GP	-	-	-	-
Private Security Guard	7W	-	-	6	1
Radio Broadcasting	RB	-	-	-	-
Real Estate Marketing	2K	-	-	-	-
Respiratory Care Technician	3S	-	-	-	-
Secretarial	2L	-	-	-	-
Television Production Operations	TV	-	-	-	-
Travel Agency Operations	3Q	-	-	-	-
Word Processing	2M	-		1	8
Total		6	75	143	262

*Dashes indicate that no completions were reported.

Table 14

Ethnicity of Vocational Certificate Enrollments

Compared to Credit Enrollments

Closing Fall 1993

Miami-Dade Community College

North Campus

	Vocational Certificate		Credit	
Ethnicity	Number	Percent	Number	Percent
White Non-Hispanic	190	11.8%	2,233	14.1%
Black Non-Hispanic	787	48.8%	6,267	39.6%
Hispanic	624	38.7%	7,028	44.4%
Other	12	0.7%	308	1.9%
Total	1,613	100.0%	15,836	100.0%

Table 15

Gender of Vocational Credit Enrollments

Compared to Credit Enrollments

Closing Fall 1993

Miami-Dade Community College

North Campus

	Vocational Certificate		Credit	
Gender	Number	Percent	Number	Percent
Male	648	40.2%	6,621	41.8%
Female	965	59.8%	9,215	58.2%
Total	1,613	100.0%	15,836	100.0%

Table 16

Age Group of Vocational Certificate Enrollments

Compared to Credit Enrollments

Closing Fall 1993

Miami-Dade Community College

North Campus

	Vocational Certificate		Credit	
Age Group	Number *	Percent	Number	Percent
14 - 20	151	9.4%	4,532	28.6%
21 - 25	408	25.3%	4,967	31.4%
26 - 30	301	18.7%	2,429	15.3%
Over 30	750	46.6%	3,908	24.7%
Total	1,610	100.0%	15,836	100.0%

*Missing 3

Table 17
Citizenship Status of Vocational Certificate Students
Compared to Credit Students
Closing Fall 1993
Miami-Dade Community College

North Campus

	Vocational Certificate		Credit	
Citizenship Status	Number	Percent	Number	Percent
U.S.A	946	58.6%	9,386	59.3%
Resident Alien	494	30.6%	5,232	33.0%
Refugee	6	0.4%	770	4.9%
Visa	5	0.3%	425	2.7%
Other/Unknown	162	10.0%	23	0.1%
Total	1,613	100.0%	15,836	100.0%

Table 18
Residency of Vocational Certificate Enrollments
Compared to Credit Enrollments
Closing Fall 1993
Miami-Dade Community College

North Campus

	Vocational Certificate		Credit	
Residency	Number	Percent	Number	Percent
Dade County	1,585	98.3%	14,846	93.7%
Other Florida	0	0.0%	518	3.3%
Out of State	28	1.7%	71	0.4%
Out of Country	0	0.0%	401	2.5%
Total	1,613	100.0%	15,836	100.0%

Table 19
Native Language of Vocational Certificate Enrollments
Compared to Credit Enrollments
Closing Fall 1993
Miami-Dade Community College

North Campus

	Vocational Certificate		Credit	
Native Language	Number	Percent	Number	Percent
English	914	56.7%	8,646	54.6%
Spanish	544	33.7%	5,401	34.1%
French/Creole	93	5.8%	1,396	8.8%
Other	27	1.7%	393	2.5%
Undesignated	35	2.2%	0	0.0%
Total	1,613	100.0%	15,836	100.0%

Table 20

Age Group by Ethnicity and Gender

Vocational Certificate Students

Closing Fall 1993

Miami-Dade Community College

North Campus

	Ethnicity																	
	White Non-Hispanic				Black Non-Hispanic				Hispanic				Other				Total	
Age Group	Male	Female	Total	Percent	Male	Female	Total	Percent	Male	Female	Total	Percent	Male	Female	Total	Percent	Male	Female
14 - 20	5	11	16	8.4%	34	49	83	10.6%	25	27	52	8.3%	0	0	0	0.0%	64	87
21 - 25	25	26	51	26.8%	108	124	232	29.6%	56	68	124	19.9%	1	0	1	8.3%	190	218
26 - 30	20	13	33	17.4%	69	83	152	19.4%	36	77	113	18.1%	2	1	3	25.0%	127	174
Over 30	53	37	90	47.4%	109	209	318	40.5%	98	236	334	53.6%	7	1	8	66.7%	267	483
Total*	103	87	190	100.0%	320	465	785	100.0%	215	408	623	100.0%	10	2	12	100.0%	648	962

*Missing 3

Table 21
Ethnicity and Basis of Admission
Vocational Certificate Enrollments
Closing Fall 1993
Miami-Dade Community College

North Campus

	Ethnicity									
	White Non-Hispanic		Black Non-Hispanic		Hispanic		Other		Total	
Basis of Admission	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
High School Graduates	165	91.7%	639	85.8%	489	85.2%	11	91.7%	1,304	86.3%
College Transfers	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Non-High School Graduates	15	8.3%	106	14.2%	85	14.8%	1	8.3%	207	13.7%
Percent of Total		11.9%		49.3%		38.0%		0.8%		100.0%
Total*	180	100.0%	745	100.0%	574	100.0%	12	100.0%	1,511	100.0%

*Missing 102

Table 22
Ethnicity and Citizenship Status
Vocational Certificate Enrollments
Closing Fall 1993
Miami-Dade Community College

North Campus

	Ethnicity									
	White Non-Hispanic		Black Non-Hispanic		Hispanic		Other		Total	
Citizenship	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
U.S. Citizen	135	14.3%	560	59.2%	247	26.1%	4	0.4%	946	100.0%
Resident Alien	31	6.3%	146	29.6%	312	63.2%	5	1.0%	494	100.0%
Other	0	0.0%	2	40.0%	3	60.0%	0	0.0%	5	100.0%
Visa	1	20.0%	2	40.0%	2	40.0%	0	0.0%	5	100.0%
Refugee	0	0.0%	4	66.7%	2	33.3%	0	0.0%	6	100.0%
Unknown	23	14.6%	73	46.5%	58	36.9%	3	1.9%	157	100.0%
Total	190	11.8%	787	48.8%	624	38.7%	12	0.7%	1,613	100.0%

Table 23

Ethnicity of Vocational Certificate Enrollments

Compared to Credit Enrollments

Closing Fall 1993

Miami-Dade Community College

Kendall Campus

	Vocational Certificate		Credit	
Ethnicity	Number	Percent	Number	Percent
White Non-Hispanic	200	31.3%	4,636	23.1%
Black Non-Hispanic	35	5.5%	1,575	7.9%
Hispanic	385	60.2%	13,303	66.4%
Other	20	3.1%	518	2.6%
Total	640	100.0%	20,032	100.0%

Table 24

Gender of Vocational Credit Enrollments

Compared to Credit Enrollments

Closing Fall 1993

Miami-Dade Community College

Kendall Campus

	Vocational Certificate		Credit	
Gender	Number	Percent	Number	Percent
Male	273	42.7%	8,938	44.6%
Female	367	57.3%	11,094	55.4%
Total	640	100.0%	20,032	100.0%

Table 25

Age Group of Vocational Certificate Enrollments

Compared to Credit Enrollments

Closing Fall 1993

Miami-Dade Community College

Kendall Campus

	Vocational Certificate		Credit	
Age Group	Number *	Percent	Number	Percent
14 - 20	33	5.2%	7,871	39.3%
21 - 25	83	13.1%	6,474	32.3%
26 - 30	116	18.3%	2,446	12.2%
Over 30	403	63.5%	3,241	16.2%
Total	635	100.0%	20,032	100.0%

*Missing 5

Table 26
Citizenship Status of Vocational Certificate Students
Compared to Credit Students
Closing Fall 1993
Miami-Dade Community College

Kendall Campus

	Vocational Certificate		Credit	
Citizenship Status	Number	Percent	Number	Percent
U.S.A	449	70.2%	13,410	66.9%
Resident Alien	115	18.0%	4,680	23.4%
Refugee	3	0.5%	866	4.3%
Visa	8	1.3%	780	3.9%
Other/Unknown	65	10.2%	296	1.5%
Total	640	100.0%	20,032	100.0%

Table 27
Residency of Vocational Certificate Enrollments
Compared to Credit Enrollments
Closing Fall 1993
Miami-Dade Community College

Kendall Campus

	Vocational Certificate		Credit	
Residency	Number	Percent	Number	Percent
Dade County	623	97.3%	18,652	93.1%
Other Florida	0	0.0%	268	1.3%
Out of State	16	2.5%	232	1.2%
Out of Country	1	0.2%	880	4.4%
Total	640	100.0%	20,032	100.0%

Table 28
Native Language of Vocational Certificate Enrollments
Compared to Credit Enrollments
Closing Fall 1993
Miami-Dade Community College

Kendall Campus

	Vocational Certificate		Credit	
Native Language	Number	Percent	Number	Percent
English	344	53.8%	11,091	55.4%
Spanish	248	38.8%	8,223	41.0%
French/Creole	5	0.8%	232	1.2%
Other	18	2.8%	486	2.4%
Undesignated	25	3.9%	0	0.0%
Total	640	100.0%	20,032	100.0%

Table 29

Age Group by Ethnicity and Gender

Vocational Certificate Students

Closing Fall 1993

Miami-Dade Community College

Kendall Campus

	Ethnicity																	
	White Non-Hispanic				Black Non-Hispanic				Hispanic				Other				Total	
Age Group	Male	Female	Total	Percent	Male	Female	Total	Percent	Male	Female	Total	Percent	Male	Female	Total	Percent	Male	Female
14 - 20	4	3	7	3.5%	0	3	3	8.6%	13	9	22	5.7%	0	1	1	5.3%	17	16
21 - 25	7	9	16	8.1%	3	2	5	14.3%	31	29	60	15.7%	1	1	2	10.5%	42	41
26 - 30	15	26	41	20.7%	4	3	7	20.0%	32	30	62	16.2%	1	5	6	31.6%	52	64
Over 30	58	76	134	67.7%	12	8	20	57.1%	90	149	239	62.4%	2	8	10	52.6%	162	241
Total*	84	114	198	100.0%	19	16	35	100.0%	166	217	383	100.0%	4	15	19	100.0%	273	362

*Missing 5

Table 30
Ethnicity and Basis of Admission
Vocational Certificate Enrollments
Closing Fall 1993
Miami-Dade Community College
Kendall Campus

	Ethnicity									
	White Non-Hispanic		Black Non-Hispanic		Hispanic		Other		Total	
Basis of Admission	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
High School Graduates	170	96.0%	29	90.6%	338	95.2%	18	94.7%	555	95.2%
College Transfers	6	3.4%	1	3.1%	12	3.4%	1	5.3%	20	3.4%
Non-High School Graduates	1	0.6%	2	6.3%	5	1.4%	0	0.0%	8	1.4%
Percent of Total		30.4%		5.5%		60.9%		3.3%		100.0%
Total*	177	100.0%	32	100.0%	355	100.0%	19	100.0%	583	100.0%

*Missing 57

Table 31
Ethnicity and Citizenship Status
Vocational Certificate Enrollments
Closing Fall 1993
Miami-Dade Community College
Kendall Campus

	Ethnicity									
	White Non-Hispanic		Black Non-Hispanic		Hispanic		Other		Total	
Citizenship	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
U.S. Citizen	150	33.4%	18	4.0%	273	60.8%	8	1.8%	449	100.0%
Resident Alien	15	13.0%	14	12.2%	77	67.0%	9	7.8%	115	100.0%
Other	0	0.0%	0	0.0%	1	100.0%	0	0.0%	1	100.0%
Visa	3	37.5%	1	12.5%	2	25.0%	2	25.0%	8	100.0%
Refugee	0	0.0%	1	33.3%	2	66.7%	0	0.0%	3	100.0%
Unknown	32	50.0%	1	1.6%	30	46.9%	1	1.6%	64	100.0%
Total	200	31.3%	35	5.5%	385	60.2%	20	3.1%	640	100.0%

Table 32

Ethnicity of Vocational Certificate Enrollments

Compared to Credit Enrollments

Closing Fall 1993

Miami-Dade Community College

Wolfson Campus

	Vocational Certificate		Credit	
Ethnicity	Number	Percent	Number	Percent
White Non-Hispanic	65	25.8%	1,942	15.9%
Black Non-Hispanic	30	11.9%	1,807	14.7%
Hispanic	155	61.5%	8,340	68.1%
Other	2	0.8%	162	1.3%
Total	252	100.0%	12,251	100.0%

Table 33

Gender of Vocational Credit Enrollments

Compared to Credit Enrollments

Closing Fall 1993

Miami-Dade Community College

Wolfson Campus

	Vocational Certificate		Credit	
Gender	Number	Percent	Number	Percent
Male	105	41.7%	5,054	41.3%
Female	147	58.3%	7,197	58.7%
Total	252	100.0%	12,251	100.0%

Table 34

Age Group of Vocational Certificate Enrollments

Compared to Credit Enrollments

Closing Fall 1993

Miami-Dade Community College

Wolfson Campus

	Vocational Certificate		Credit	
Age Group	Number	Percent	Number	Percent
14 - 20	12	4.8%	3,624	29.6%
21 - 25	40	15.9%	3,319	27.1%
26 - 30	43	17.1%	1,873	15.3%
Over 30	157	62.3%	3,435	28.0%
Total	252	100.0%	12,251	100.0%

Table 35
Citizenship Status of Vocational Certificate Students
Compared to Credit Students
Closing Fall 1993
Miami-Dade Community College

Wolfson Campus

	Vocational Certificate		Credit	
Citizenship Status	Number	Percent	Number	Percent
U.S.A	41	16.3%	6,049	49.4%
Resident Alien	26	10.3%	4,181	34.1%
Refugee	0	0.0%	1,605	13.1%
Visa	0	0.0%	241	2.0%
Other/Unknown	185	73.4%	175	1.4%
Total	252	100.0%	12,251	100.0%

Table 36
Residency of Vocational Certificate Enrollments
Compared to Credit Enrollments
Closing Fall 1993
Miami-Dade Community College

Wolfson Campus

	Vocational Certificate		Credit	
Residency	Number	Percent	Number	Percent
Dade County	249	98.8%	11,499	93.9%
Other Florida	0	0.0%	184	1.5%
Out of State	3	1.2%	270	2.2%
Out of Country	0	0.0%	298	2.4%
Total	252	100.0%	12,251	100.0%

Table 37
Native Language of Vocational Certificate Enrollments
Compared to Credit Enrollments
Closing Fall 1993
Miami-Dade Community College

Wolfson Campus

	Vocational Certificate		Credit	
Native Language	Number	Percent	Number	Percent
English	24	9.5%	4,669	38.1%
Spanish	142	56.3%	6,522	53.2%
French/Creole	4	1.6%	636	5.2%
Other	3	1.2%	424	3.5%
Undesignated	79	31.3%	0	0.0%
Total	252	100.0%	12,251	100.0%

Table 38

Age Group by Ethnicity and Gender

Vocational Certificate Students

Closing Fall 1993

Miami-Dade Community College

Wolfson Campus

	Ethnicity																	
	White Non-Hispanic				Black Non-Hispanic				Hispanic				Other				Total	
Age Group	Male	Female	Total	Percent	Male	Female	Total	Percent	Male	Female	Total	Percent	Male	Female	Total	Percent	Male	Female
14 - 20	3	0	3	4.6%	1	2	3	10.0%	2	4	6	3.9%	0	0	0	0.0%	6	6
21 - 25	2	3	5	7.7%	2	7	9	30.0%	7	19	26	16.8%	0	0	0	0.0%	11	29
26 - 30	2	3	5	7.7%	3	4	7	23.3%	11	20	31	20.0%	0	0	0	0.0%	16	27
Over 30	20	32	52	80.0%	7	4	11	36.7%	44	48	92	59.4%	1	1	2	100.0%	72	85
Total	27	38	65	100.0%	13	17	30	100.0%	64	91	155	100.0%	1	1	2	100.0%	105	147

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Table 39
Ethnicity and Basis of Admission
Vocational Certificate Enrollments
Closing Fall 1993
Miami-Dade Community College

Wolfson Campus

	Ethnicity									
	White Non-Hispanic		Black Non-Hispanic		Hispanic		Other		Total	
Basis of Admission	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
High School Graduates	49	100.0%	27	100.0%	129	95.6%	1	100.0%	206	97.2%
College Transfers	0	0.0%	0	0.0%	5	3.7%	0	0.0%	5	2.4%
Non High School Graduates	0	0.0%	0	0.0%	1	0.7%	0	0.0%	1	0.5%
Percent of Total		23.1%		12.7%		63.7%		0.5%		100.0%
Total*	49	100.0%	27	100.0%	135	100.0%	1	100.0%	212	100.0%

*Missing 40

Table 40
Ethnicity and Citizenship Status
Vocational Certificate Enrollments
Closing Fall 1993
Miami-Dade Community College

Wolfson Campus

	Ethnicity									
	White Non-Hispanic		Black Non-Hispanic		Hispanic		Other		Total	
Citizenship	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
U.S. Citizen	10	24.4%	6	14.6%	25	61.0%	0	0.0%	41	100.0%
Resident Alien	1	3.8%	6	23.1%	18	69.2%	1	3.8%	26	100.0%
Other	0	0.0%	0	0.0%	1	100.0%	0	0.0%	1	100.0%
Visa	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	100.0%
Refugee	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	100.0%
Unknown	54	29.3%	18	9.8%	111	60.3%	1	0.5%	184	100.0%
Total	65	25.8%	30	11.9%	155	61.5%	2	0.8%	252	100.0%

Table 41

Ethnicity of Vocational Certificate Enrollments

Compared to Credit Enrollments

Closing Fall 1993

Miami-Dade Community College

Medical Center Campus

	Vocational Certificate		Credit	
Ethnicity	Number	Percent	Number	Percent
White Non-Hispanic	34	23.0%	841	23.3%
Black Non-Hispanic	68	45.9%	1,409	39.0%
Hispanic	44	29.7%	1,289	35.6%
Other	2	1.4%	78	2.2%
Total	148	100.0%	3,617	100.0%

Table 42

Gender of Vocational Credit Enrollments

Compared to Credit Enrollments

Closing Fall 1993

Miami-Dade Community College

Medical Center Campus

	Vocational Certificate		Credit	
Gender	Number	Percent	Number	Percent
Male	30	20.3%	1,141	31.5%
Female	118	79.7%	2,476	68.5%
Total	148	100.0%	3,617	100.0%

Table 43

Age Group of Vocational Certificate Enrollments

Compared to Credit Enrollments

Closing Fall 1993

Miami-Dade Community College

Medical Center Campus

	Vocational Certificate		Credit	
Age Group	Number	Percent	Number	Percent
14 - 20	8	5.4%	525	14.5%
21 - 25	56	37.8%	910	25.2%
26 - 30	23	15.5%	672	18.6%
Over 30	61	41.2%	1,510	41.7%
Total	148	100.0%	3,617	100.0%

Table 44
Citizenship Status of Vocational Certificate Students
Compared to Credit Students
Closing Fall 1993
Miami-Dade Community College
Medical Center Campus

	Vocational Certificate		Credit	
Citizenship Status	Number	Percent	Number	Percent
U.S.A	21	14.2%	2,227	61.6%
Resident Alien	10	6.8%	1,140	31.5%
Refugee	0	0.0%	166	4.6%
Visa	1	0.7%	70	1.9%
Other/Unknown	116	78.4%	14	0.4%
Total	148	100.0%	3,617	100.0%

Table 45
Residency of Vocational Certificate Enrollments
Compared to Credit Enrollments
Closing Fall 1993
Miami-Dade Community College
Medical Center Campus

	Vocational Certificate		Credit	
Residency	Number	Percent	Number	Percent
Dade County	147	99.3%	3,346	92.5%
Other Florida	0	0.0%	175	4.8%
Out of State	1	0.7%	29	0.8%
Out of Country	0	0.0%	67	1.9%
Total	148	100.0%	3,617	100.0%

Table 46
Native Language of Vocational Certificate Enrollments
Compared to Credit Enrollments
Closing Fall 1993
Miami-Dade Community College
Medical Center Campus

	Vocational Certificate		Credit	
Native Language	Number	Percent	Number	Percent
English	78	52.7%	2,102	58.1%
Spanish	36	24.3%	1,004	27.8%
French/Creole	4	2.7%	393	10.9%
Other	3	2.0%	118	3.3%
Undesignated	27	18.2%	0	0.0%
Total	148	100.0%	3,617	100.0%

Table 47

Age Group by Ethnicity and Gender

Vocational Certificate Students

Closing Fall 1993

Miami-Dade Community College

Medical Center Campus

	Ethnicity																	
	White Non-Hispanic				Black Non-Hispanic				Hispanic				Other				Total	
Age Group	Male	Female	Total	Percent	Male	Female	Total	Percent	Male	Female	Total	Percent	Male	Female	Total	Percent	Male	Female
14 - 20	0	2	2	5.9%	1	4	5	7.4%	0	1	1	2.3%	0	0	0	0.0%	1	7
21 - 25	1	2	3	8.8%	5	32	37	54.4%	4	12	16	36.4%	0	0	0	0.0%	10	46
26 - 30	2	2	4	11.8%	1	7	8	11.8%	2	9	11	25.0%	0	0	0	0.0%	5	18
Over 30	7	18	25	73.5%	4	14	18	26.5%	3	13	16	36.4%	0	2	2	100.0%	14	47
Total	10	24	34	100.0%	11	57	68	100.0%	9	35	44	100.0%	0	2	2	100.0%	30	118

Table 48
Ethnicity and Basis of Admission
Vocational Certificate Enrollments
Closing Fall 1993
Miami-Dade Community College
Medical Center Campus

	Ethnicity									
	White Non-Hispanic		Black Non-Hispanic		Hispanic		Other		Total	
Basis of Admission	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
High School Graduates	31	100.0%	66	100.0%	34	100.0%	2	100.0%	133	100.0%
College Transfers	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Non High School Graduates	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Percent of Total		23.3%		49.6%		25.6%		1.5%		100.0%
Total*	31	100.0%	66	100.0%	34	100.0%	2	100.0%	133	100.0%

*Missing 15

Table 49
Ethnicity and Citizenship Status
Vocational Certificate Enrollments
Closing Fall 1993
Miami-Dade Community College
Medical Center Campus

	Ethnicity									
	White Non-Hispanic		Black Non-Hispanic		Hispanic		Other		Total	
Citizenship	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
U.S.A. Citizen	3	14.3%	11	52.4%	7	33.3%	0	0.0%	21	100.0%
Resident Alien	2	20.0%	3	30.0%	5	50.0%	0	0.0%	10	100.0%
Other	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	100.0%
Visa	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	100.0%
Refugee	1	100.0%	0	0.0%	0	0.0%	0	0.0%	1	100.0%
Unknown	28	24.1%	54	46.6%	32	27.6%	2	1.7%	116	100.0%
Total	34	23.0%	68	45.9%	44	29.7%	2	1.4%	148	100.0%

Appendix
Administrative Information for Vocational Certificate Programs
Spring 1994
Miami-Dade Community College

Program Name	Program Code	CIP Code	Date Active	Campus	Test Level*	Vocational Credits	Clock Hours
Accounting Operations	2F	507010101	892	N,K,W,H	9,9,9	21.0	630
Apparel Design for Industry	DI	420030100	902	K	9,9,9	25.0	750
Architectural Drafting	AH	648010200	901	N,K,W,H	9,9,9	60.0	1,800
Bail Bonding	PL	743010503	893	W	9,9,9	3.0	90
Basic X-Ray Machine Operator	3Z	317020902	892	M	10,10,10	23.0	690
Bookkeeping	BK	507010300	911	N,K,W,H	9,9,9	22.0	660
Business Administration Operations	2G	506040101	892	N,K,W,H	9,9,9	21.5	645
Business Administration/Food Industry	2I	506040101	901	W	9,9,9	13.5	405
Business Software Applications	2H	507030501	892	N,K,W,H	9,9,9	24.5	735
Child Care Supervision	C9	420020201	893	N	9,9,9	27.0	810
Coder Specialist	CD	317050602	922	M	8,10,10	29.5	885
Computer Programming	CQ	511020100	911	N,K,W,H	9,9,9	30.5	915
Correctional Officer - Dade County	7C	743010200	902	N	9,9,9	19.5	585
Correctional Office - State of Florida	7S	743010200	902	N	9,9,9	17.5	525
Correctional Probation Officer	8Z	743010202	893	N	9,9,9	14.0	420
Criminal Justice Assisting	7V	743019900	892	N	7,8,9	14.5	435
Data Entry Operators	DE	507030300	911	N,K,W,H	9,9,9	13.0	390
Electrocardiograph Technology	3Y	317020300	892	M	8,11,9,9	38.5	1,155
Electronic Technology	2J	615030300	892	N,K	10,9,9	33.0	990
Fashion Marketing	FH	208010200	902	K	8,9,9	24.0	720
Fire Fighting	7Y	743020300	891	N	10,10,10	15.0	450
General Office Clerk	OC	507070500	911	N,K,W,H	9,9,9	13.0	390
Home & Family Management	HF	920010100	893	N,K,W,H	9,9,9	14.0	420
Import/Export Marketing	EX	208070300	921	N,K,W	8,9,9	21.0	630
Infant/Toddler Supervision	TS	420020202	892	N	8,8,9	27.0	810
Insurance Marketing	3R	208100100	892	N,K,W,H	8,9,9	12.0	360
Law Enforcement/Day	7D	743010500	903	N	9,9,9	22.0	660
Law Enforcement/PSI	7P	743010500	903	N	9,9,9	25.5	765
Mechanical Drafting	MF	648010506	911	N	9,9,9	41.0	1,230
Medical Assisting	3X	317050300	892	M	9,9,9	15.0	1,500
Medical Record Transcribing	3W	317050601	892	M	8,10,10	42.0	1,260
Optometric Assisting	3V	317070501	892	M	9,11,11	44.0	1,320
Pharmacy Technician	3U	317050700	892	M	10,10,10	50.0	1,500
Phlebotomy Technician	3T	317030100	892	M	9,11,11	8.0	240
Printing & Graphic Arts	GP	648020100	901	N	8,8,8	46.5	1,395
Private Security Guard	7W	743010900	892	N	9,9,9	1.5	45
Radio Broadcasting	RB	610010401	901	N	9,9,9	23.5	705
Real Estate Marketing	2K	206170100	892	N,K,W,H	8,9,9	11.0	330
Respiratory Care Technician	3S	317081900	892	M	10,11,11	43.5	1,305
Secretarial	2L	507060600	892	N,K,W,H	9,9,9	28.5	855
Television Production Operations	TV	610010400	901	N	9,9,9	47.5	1,425
Travel Agency Operations	3Q	208110500	892	N	9,9,9	21.5	645
Word Processing	2M	507080100	892	N,K,W,H	9,9,9	23.0	690

Order of tests: Mathematics-Language-Reading

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